IN THE CLAIMS

Amend Claims 1, 5-9, 14, 17, 27, 29 and 32 as follows:

1. (Currently amended) A method for detecting an anomaly in cardiac activity of a patient, comprising:

a) providing at least one sensor (12) for determining at least one parameter that characterizes the cardiac activity of the patient,

b) transmitting the at least one parameter that characterizes the cardiac activity to a server,

c) automatically evaluating the at least one parameter of step (b) with respect to at least one parameter that characterizes the anomaly in the cardiac activity, and

~~c~~ d) generating an alarm signal if a limiting value for the at least one parameter that characterizes the anomaly in the cardiac activity is exceeded,

wherein the evaluating step (~~b~~ c) and/or generating step (~~c~~ d) are/is carried out remotely to ~~the sensing step (a) on~~ the patient.

2. (Previously presented) The method according to Claim 1, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

3. (Previously Presented) The method according to Claim 1, comprising the step of

carrying out a metrological acquisition of an EKG signal, a pulse signal and/or a hemodynamics signal.

4. (Currently amended) The method according to Claim 1, comprising the step of

arranging said at least one sensor (12) for acquiring measuring values in a region of at least one adhesive pad, wristband, neckband, thoracic band, abdominal band, hip band and/or in the region of a respiratory mask.

5. (Currently amended) The method according to Claim 1, comprising the step of

spatially separating sensory acquisition of measuring data by said at least one sensor (12) and the evaluation of the measuring signals.

6. (Currently amended) The method according Claim 1, comprising the step of

carrying out the sensory acquisition of measuring data by said at least one sensor (12) and the evaluation of the measuring signals spatially adjacent to one another, and

transmitting the results of the signal evaluation to a different location.

7. (Currently amended) The method according to Claim 1, comprising the ~~step~~ steps of

arranging a signal evaluation unit (13) as part of said evaluating step (c), and

transmitting either measuring data acquired by the sensor (12) in a wireless fashion to the signal evaluation unit (13), or the results of signal evaluation (13) in a wireless fashion to a signal generator (14).

8. (Currently amended) The method according to Claim 1, comprising ~~the step of~~

generating an acoustical and/or optical alarm in step (d).

9. (Currently Amended) The method according to Claim 1, wherein the alarm signal comprises a control signal ~~that causes a~~ arranged to initiate direct activation of a defibrillator.

10. (Previously Presented) The method according to Claim 1, comprising the step of

storing values of the at least one parameter that characterizes the cardiac activity of a patient.

11. (Previously Presented) The method according to Claim 1, comprising the step of

generating a flag signal that causes the delivery of the alarm signal if a limiting value is exceeded.

12. (Previously Presented) The method according to Claim 11, comprising the step of

transmitting the flag signal in a wire-bound or wireless fashion.

13. (Previously Presented) The method according to Claim 12, wherein the flag signal is transmitted by short-range data transmission, or long-range data transmission.

14. (Currently amended) The method according to Claim 11, comprising the ~~step~~ steps of

storing values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, and

transmitting the stored values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, from which the values can be retrieved, together with the flag signal.

15. (Previously Presented) The method according to Claim 11, comprising the step of

transmitting patient data or information on a storage location, from which the patient data can be retrieved, together with the flag signal.

16. (Previously Presented) The method according Claim 1, comprising the steps of

determining if and how the patient is moving, and .

using this information for determining if a limiting value is exceeded together with the parameters that characterize the cardiac activity of a patient.

17. (Currently Amended) A device for detecting an anomaly in the cardiac activity of a patient, comprising

at least one sensor (12) arranged for acquiring at least one signal that characterizes the cardiac activity of the patient,

at least one server to which the signal that characterizes the cardiac activity of the patient is sent,

at least one signal evaluation unit (13) for evaluating the signal ~~to which the sensor (12) is connected~~, and

a signal transmitter (15) for generating an alarm signal ~~to which the signal evaluation unit (13) is connected~~,

wherein the signal evaluation unit (13) is provided with an analyzer for determining if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded by the signal from the sensor (12) and

said evaluation unit (13) and/or signal transmitter (15) are/is positioned remotely from ~~said sensor (12) on~~ the patient.

18. (Previously Presented) The device according to Claim 17, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation, and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

19. (Previously Presented) The device according to Claim 17, wherein the signal transmitter (15) can be activated by a signal generator (14).

20. (Previously Presented) The device according to Claim 17, wherein the device is structured and arranged in the form of a mobile unit for defibrillation and additionally contains a voltage generator, a control unit (9) coupled to a monitoring device including said sensor (12), signal evaluation unit (13) and signal transmitter (15) and at least two electrodes (2, 3).

21. (Previously Presented) The device according to Claim 20, wherein the signal evaluation unit (13) forms part of the control unit (9).

22. (Previously presented) The device according to Claim 20, wherein the signal evaluation unit (13) is spatially separated from the control unit (9).

23. (Previously Presented) The device according to Claim 17, wherein the sensor (12) is arranged adjacent to or spatially separate from the signal evaluation unit (13).

24. (Previously Presented) The device according to Claim 17, wherein the sensor (12) and the signal evaluation unit (13) are connected via a wireless link.

25. (Previously Presented) The device according to Claim 17, wherein a memory is provided for storing values of the at least one parameter that characterizes the cardiac activity of a patient and/or at least one parameter characterizing patient data.

26. (Previously Presented) The device according to Claim 17, wherein the signal transmitter (15) and the signal generator (14) are connected in a wire-bound or wireless fashion.

27. (Currently amended) The device according to Claim 17, additionally comprising motion sensors arranged for acquiring signals determining if and how the patient is moving and which are also sent to the server.

28. (Previously Presented) The device according to Claim 17, wherein the sensor (12) for acquiring at least one signal that characterizes a cardiac activity of a patient comprises defibrillator electrodes.

29. (Currently amended) The device according to Claim 17, ~~additionally comprising means for obtaining~~ wherein the alarm signal additionally contains information on the current location of the patient.

30. (Previously Presented) The method according to Claim 13, wherein the short-range data transmission is Bluetooth and the long-range data transmission is by telephone or mobile radiotelephone.

31. (Previously Presented) The method according to Claim 1, comprising the additional steps of

determining at least one fibrillation parameter with the at least one sensor (12), and

activating a defibrillator on the patient if the alarm signal is generated.

32. (Previously Presented) The device according to Claim 17, ~~wherein said signal transmitter (18) is coupled to~~ additionally comprising at least one of a generator (14) for activating the signal and/or alarm if the limiting value is exceeded and a defibrillator (3-8) on the patient,

with said signal transmitter (18) coupled to at least one of the generator (14) and defibrillator (3-8).